AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A portable terminal device comprising:

a camera module;

a light module as an illumination function in shooting an image by the camera module;

an image control processing section for sending zoom control information of the camera module and carrying out image processing; and

an illuminance variable section for varying illuminance intensity output from [[of]] the light module in accordance with a distance from the camera module to an object.

2. (currently amended) The portable terminal device according to claim 1, wherein the illuminance variable section varies the illuminance intensity output for photography of the light module in accordance with a zoom ratio of the camera module.

3. (currently amended) The portable terminal device according to claim 1, wherein the illuminance variable section

varies the illuminance <u>intensity output</u> for photography of the light module in accordance with information on the image processing.

4. (currently amended) A method for varying light illuminance of a portable terminal <u>camera</u> device, ~~the device including a camera module, a light module as an illumination function in shooting an image by the camera module, and an image control processing section for sending zoom control information of the camera module and carrying out image processing,~~ the method comprising:

~~an illuminance variable step for~~ varying illuminance <u>intensity output from a</u> ~~of the~~ light module <u>of a camera</u> in accordance with a distance from the camera module to an object.

5. (currently amended) The method for varying light illuminance according to claim 4, wherein the illuminance variable step varies the illuminance<u> intensity output </u>for photography of the light module in accordance with a zoom ratio of the camera module.

6. (currently amended) The method for varying light illuminance according to claim 4, wherein the illuminance variable step varies the illuminance<u> intensity output </u>for

photography of the light module in accordance with information on

the image processing.

       7.   (currently amended) A <u>computer-readable medium</u>

<u>storing embodying a</u> program <u>of instructions executable by the</u>

<u>computer to control the computer to function</u> for varying light

illuminance <u>intensity output from</u> a portable terminal device, ~~the~~

~~device including a camera module, a light module as an~~

~~illumination function in shooting an image by the camera module,~~

~~and image control processing section for sending zoom control~~

~~information of the camera module and carrying out image~~

~~processing~~, the program making [[a]] <u>the</u> computer carry out

processing [[,]] which varies illuminance <u>intensity output from a</u>

<u>camera</u> ~~of the~~ light module in accordance with a distance from the

camera module to an object.

       8. (new) The computer-readable medium of claim 7,

wherein the program causes the computer to i) determine the

distance between the camera module and the object; and ii) send

the determined distance as distance information to an illuminance

variable section.

       9. (new) The computer-readable medium of claim 8,

wherein the program causes the computer to vary the illuminance

intensity output during photo exposure in accordance with a zoom ratio of the camera module.

10. (new) The computer-readable medium of claim 9, wherein the program causes the computer to further vary the illuminance intensity output during photo exposure in accordance with information on image processing, said information including shades and outlines of an image to be photographed.

11. (new) The portable terminal device according to claim 2, wherein the illuminance variable section further varies the illuminance intensity output during photo exposure in accordance with information on the image processing, said information including shades and outlines of an image to be photographed.

12. (new) The method for varying light illuminance according to claim 3, wherein the illuminance variable step further varies the illuminance intensity output during photo exposure in accordance with information on the image processing, said information including shades and outlines of an image to be photographed.

13. (new) The computer-readable medium of claim 9, wherein the program causes the computer to further vary the

illuminance intensity output during photo exposure in accordance with information on image processing, said information including edge detection of an image to be photographed.

14. (new) The portable terminal device according to claim 2, wherein the illuminance variable section further varies the illuminance intensity output during photo exposure in accordance with information on the image processing, said information including edge detection of an image to be photographed.

15. (new) The method for varying light illuminance according to claim 3, wherein the illuminance variable step further varies the illuminance intensity output during photo exposure in accordance with information on the image processing, said information including edge detection of an image to be photographed.

16.   (new) The computer-readable medium of claim 9, wherein the program causes the computer to further vary the illuminance intensity output during photo exposure in accordance with information on image processing, said information including cluster comparison of an image to be photographed.

17. (new) The portable terminal device according to claim 2, wherein the illuminance variable section further varies the illuminance intensity output during photo exposure in accordance with information on the image processing, said information including cluster comparison of an image to be photographed.

18. (new) The method for varying light illuminance according to claim 3, wherein the illuminance variable step further varies the illuminance intensity output during photo exposure in accordance with information on the image processing, said information including cluster comparison of an image to be photographed.